

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A print system ~~including a content server and a plurality of printers connectable to the content server~~, comprising:

a content server;

a plurality of printers connectable to the content server via a network; and

a client computer connectable to the content server via the network;

wherein the content server comprises

a content database ~~for the content server~~ which collects a plurality of kinds of content original data;

a reader which ~~[[,]] in the content server [[,]]~~ reads content original data ~~of a kind which is~~ selected by a the client computer as content data from the content database ~~[[,]] wherein the client is connected to the content server; and~~

a printer specifying information requester which transmits a request for transmission of printer specifying information from the content server to a printer which is selected by the client computer, wherein the printer specifying information includes a printer identifier to specify the printer;

wherein the printer comprises

a printer specifying information transmitter which transmits the printer specifying information including the printer identifier from the printer to the content server based on the request from the printer specifying information requester;

wherein the content server further comprises

a print job data generator which ~~[[,]] in the content server [[,]]~~ generates print job data including at least the content data and the printer specifying information based on the content data read by the reader and the received printer specifying information; and

a print job data transmitter which transmits the print job data from the content server to the printer;

wherein the printer further comprises

a print job data receiver which receives the print job data transmitted from the content server ~~to the printer~~;

a judging portion which ~~[[,]] in the printer [[,]]~~ reads the printer identifier included in the printer specifying information of the print job data and judges whether the printer identifier coincides with its own printer identifier; and

a print executor which executes print of the print job data in the printer only when the judging portion judges that the printer identifier included in the print job data coincides with its own printer identifier.

Claim 2 (Original): The print system according to claim 1, wherein when transmitting the printer specifying information to the content server, the printer encrypts the printer identifier and transmits the encrypted printer identifier as the printer specifying information.

Claim 3 (Original): The print system according to claim 1, wherein when transmitting the printer specifying information to the content server, the printer transmits the printer identifier as the printer specifying information without encrypting the printer identifier.

Claim 4 (Previously Presented): The print system according to claim 1, wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data,

wherein the print job data generator generates the first copy guard code including at least the printer specifying information and a first code pointer indicating a position of a next second copy guard and inserts the first copy guard code at the specific position, and when the content data exists at a position indicated by the first code pointer, inserts a second copy guard code including at least a second code pointer which indicates a position of a second copy guard code next to the next second copy guard code at the position, and repeats the insertion of the second copy guard codes until the entire length of the content data is covered, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 5 (Original): The print system according to claim 4, wherein the content server encrypts the first code pointer.

Claim 6 (Original): The print system according to claim 4, wherein the content server encrypts the first code pointer and holds a code pointer decrypting key which is a decrypting key of the first code pointer.

Claim 7 (Original): The print system according to claim 1,
wherein the print job data generator
generates a third copy guard code including at least the printer specifying information
and generates encrypted content data by encrypting the content data, and
generates the print job data with at least the third copy guard code and the encrypted
content data.

Claim 8 (Original): The print system according to claim 7, wherein a content data
decrypting key which is a decrypting key of the encrypted content data is held in the content
server.

Claim 9 (Original): The print system according to claim 1,
wherein the print executor comprises:
a print permission requester which gives a request for print permission to the content
server from the printer when the judging portion judges that the printer identifier included in
the print job data coincides with its own printer identifier;
a print permission transmitter which transmits print permission from the content
server to the printer when the request for print permission is given from the printer; and
a permitted print executor which executes print based on the print job data in the
printer which has received the print permission.

Claim 10 (Previously Presented): The print system according to claim 9,
wherein the print job data includes at least one first copy guard code inserted at a
specific position and one or a plurality of second copy guard codes inserted dispersively in the
content data as required depending on a data length of the content data,
wherein the print job data generator generates the first copy guard code including at
least the printer specifying information and a first code pointer indicating a position of a next
second copy guard and inserts the first copy guard code at the specific position, and when the
content data exists at a position indicated by the first code pointer, inserts a second copy
guard code including at least a second code pointer which indicates a position of a second
copy guard code next to the next second copy guard code at the position, and repeats the

insertion of the second copy guard codes until the entire length of the content data is covered,
and

wherein the first and second code pointers are determined randomly every time these
first and second code pointers are generated.

Claim 11 (Original): The print system according to claim 10, wherein the content server
encrypts the first code pointer.

Claim 12 (Original): The print system according to claim 10, wherein the content server
encrypts the first code pointer and holds a code pointer decrypting key which is a decrypting
key of the first code pointer.

Claim 13 (Original): The print system according to claim 12, wherein the print permission
transmitter transmits the code pointer decrypting key as the print permission from the content
server to the printer based on the request for the print permission from the printer.

Claim 14 (Original): The print system according to claim 13,
wherein the permitted print executor
decrypts the first code pointer with the code pointer decrypting key as the decrypting
key to obtain the position of the next second copy guard code and sequentially obtain
positions of subsequent second copy guard codes each based on a second code pointer of the
preceding second copy guard code, and
executes print after removing these first and second copy guard codes in sequence.

Claim 15 (Original): The print system according to claim 9,
wherein the print job data generator
generates a third copy guard code including at least the printer specifying information
and generates encrypted content data by encrypting the content data, and
generates the print job data with at least the third copy guard code and the encrypted
content data.

Claim 16 (Original): The print system according to claim 15, wherein a content data decrypting key which is a decrypting key of the encrypted content data is held in the content server.

Claim 17 (Original): The print system according to claim 16, wherein the print permission transmitter transmits the content data decrypting key as the print permission from the content server to the printer based on the request for the print permission from the printer.

Claim 18 (Original): The print system according to claim 17, wherein the permitted print executor obtains the content data by decrypting the encrypted content data with the content data decrypting key as the decrypting key and executes print based on this content data.

Claim 19 (Original): The print system according to claim 1,
wherein the print job data generator generates the print job data with protection to prevent unjust copy,
wherein the print job data receiver temporarily stores the received print job data in an auxiliary memory of the printer without removing the protection, and
wherein the judging portion reads the print job data from the auxiliary memory.

Claim 20 (Original): The print system according to claim 19, wherein the print executor requests a protection removing key necessary to remove the protection from the content server only when the judging portion judges that the printer identifier included in the print job data coincides with its own printer identifier.

Claim 21 (Original): The print system according to claim 20, wherein when transmitting the printer specifying information to the content server, the printer encrypts the printer identifier and transmits the encrypted printer identifier as the printer specifying information.

Claim 22 (Original): The print system according to claim 20, wherein when transmitting the printer specifying information to the content server, the printer transmits the printer identifier as the printer specifying information without encrypting the printer identifier.

Claim 23 (Previously Presented): The print system according to claim 19,

wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data as the protection,

wherein the print job data generator generates the first copy guard code including at least the printer specifying information and a first code pointer indicating a position of a next second copy guard and inserts the first copy guard code at the specific position, and when the content data exists at a position indicated by the first code pointer, inserts a second copy guard code including at least a second code pointer which indicates a position of a second copy guard code next to the next second copy guard code at the position, and repeats the insertion of the second copy guard codes until the entire length of the content data is covered, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 24 (Original): The print system according to claim 23, wherein the content server encrypts the first code pointer.

Claim 25 (Original): The print system according to claim 24, wherein a code pointer decrypting key which is a decrypting key of the encrypted first code pointer is held as the protection removing key in the content server.

Claim 26 (Original): The print system according to claim 19,

wherein the print job data generator
generates a third copy guard code including at least the printer specifying information and generates encrypted content data by encrypting the content data as the protection, and
generates the print job data with at least the third copy guard code and the encrypted content data.

Claim 27 (Original): The print system according to claim 26, wherein a content data decrypting key which is a decrypting key of the encrypted content data is held as the protection removing key in the content server.

Claim 28 (Previously Presented): A printer connected to a content server via a network, comprising:

a printer specifying information transmitter which transmits printer specifying information including a printer identifier to specify the printer based on a request from the content server, wherein the printer is selected by a client in the content server to which the client is connected;

a receiver which receives print job data having at least content data and the print specifying information including the printer identifier from the content server, wherein the content data is selected by the client in the content server;

a judging portion which reads the printer identifier included in the printer specifying information of the print job data and judges whether this printer identifier coincides with its own printer identifier or not; and

a print executor which executes print of the print job data only when the judging portion judges that the printer identifier included in the print job data coincides with its own printer identifier.

Claim 29 (Original): The printer according to claim 28, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter encrypts the printer identifier and transmits the encrypted printer identifier as the printer specifying information.

Claim 30 (Original): The printer according to claim 28, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter transmits the printer identifier as the printer specifying information without encrypting the printer identifier.

Claim 31 (Original): The printer according to claim 28,

wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data,

wherein the first copy guard code includes at least the printer specifying information and a first code pointer indicating a position of a next second copy guard,

wherein the second copy guard codes each include at least a second code pointer which indicates a position of a second copy guard code next thereto, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 32 (Original): The printer according to claim 31, wherein the first code pointer is encrypted by the content server.

Claim 33 (Original): The printer according to claim 28, wherein the print job data includes at least:

a third copy guard code including at least the printer specifying information; and encrypted content data generated by encrypting the content data.

Claim 34 (Original): The printer according to claim 28, wherein the print executor comprises:

a print permission requester which requests print permission from the content server when the judging portion judges that the printer identifier included in the print job data coincides with its own printer identifier;

a print permission receiver which receives the print permission transmitted from the content server; and

a permitted print executor which executes print based on the print job data after receiving the print permission.

Claim 35 (Original): The printer according to claim 34,

wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data,

wherein the first copy guard code includes at least the printer specifying information and a first code pointer indicating a position of a next second copy guard code,

wherein the second copy guard codes each include at least a second code pointer which indicates a position of a second copy guard code next thereto, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 36 (Original): The printer according to claim 35, wherein the first code pointer is encrypted by the content server.

Claim 37 (Original): The printer according to claim 36, wherein the print permission receiver receives a code pointer decrypting key which is a decrypting key of the encrypted first code pointer as the print permission from the content server.

Claim 38 (Original): The printer according to claim 37,
wherein the permitted print executor
decrypts the first code pointer with the code pointer decrypting key as the decrypting key to obtain the position of the next second copy guard code and sequentially obtain positions of subsequent second copy guard codes each based on a second code pointer of the preceding second copy guard code, and
executes print after removing these first and second copy guard codes in sequence.

Claim 39 (Original): The printer according to claim 34, wherein the print job data includes at least:

a third copy guard including at least the printer specifying information; and
encrypted content data generated by encrypting the content data.

Claim 40 (Original): The printer according to claim 39, wherein the print permission receiver receives a content data decrypting key which is a decrypting key of the encrypted content data as the print permission.

Claim 41 (Original): The printer according to claim 40, wherein the permitted print executor obtains the content data by decrypting the encrypted content data with the content data decrypting key as the decrypting key and executes print based on this content data.

Claim 42 (Original): The printer according to claim 34, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter encrypts the printer identifier and transmits the encrypted printer identifier as the printer specifying information.

Claim 43 (Original): The printer according to claim 34, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter transmits the printer identifier as the printer specifying information without encrypting the printer identifier.

Claim 44 (Original): The printer according to claim 28,
wherein the print job data is given protection to prevent unjust copy,
wherein the print job data received from the content server is temporarily stored in an auxiliary memory of the printer without the protection being removed, and
wherein the judging portion reads the print job data from the auxiliary memory.

Claim 45 (Original): The printer according to claim 44, wherein the print executor requests a protection removing key necessary to remove the protection from the content server only when the judging portion judges that the printer identifier included in the print job data coincides with its own printer identifier.

Claim 46 (Original): The printer according to claim 44, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter encrypts the printer identifier and transmits the encrypted printer identifier as the printer specifying information.

Claim 47 (Original): The printer according to claim 44, wherein when transmitting the printer specifying information to the content server, the printer specifying information transmitter transmits the printer identifier as the printer specifying information without encrypting the printer identifier.

Claim 48 (Original): The printer according to claim 44,
wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data as the protection,
wherein the first copy guard code includes at least the printer specifying information and a first code pointer indicating a position of the second copy guard code next thereto,

wherein the second copy guard codes each include at least a second code pointer which indicates a position of a second copy guard code next thereto, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 49 (Original): The printer according to claim 48, wherein the first code pointer is encrypted by the content server and a decrypting key of this encryption is used as a protection removing key necessary to remove the protection.

Claim 50 (Original): The printer according to claim 44, wherein the print job data includes at least:

a third copy guard code including at least the printer specifying information; and
encrypted content data generated by encrypting the content data as the protection.

Claim 51 (Previously Presented): A content server, comprising:

a content database which collects a plurality of kinds of content original data;
a reader which reads content original data of a kind selected by a client as content data from the content database, wherein the client is connected to the content server;

a printer specifying information requester which requests transmission of printer specifying information to a printer which is selected by the client, wherein the printer is connected to the content server and the printer specifying information includes a printer identifier to specify the printer;

a printer specifying information receiver which receives the printer specifying information from the printer;

a print job data generator which generates print job data including at least the content data and the printer specifying information based on the content data read by the reader and the received printer specifying information; and

a print job data transmitter which transmits the print job data to the printer.

Claim 52 (Previously Presented): The content server according to claim 51,

wherein the print job data includes at least one first copy guard code inserted at a specific position and one or a plurality of second copy guard codes inserted dispersively in the content data as required depending on a data length of the content data,

wherein the print job data generator comprises:

a first copy guard code generator which generates the first copy guard code including at least the printer specifying information and a first code pointer indicating a position of a next second copy guard code and inserts the first copy guard code at the specific position; and

a second copy guard code generator which, when the content data exists at a position indicated by the first code pointer, inserts a second copy guard code including at least a second code pointer which indicates a position of a second copy guard code next to the next second copy guard code at the position, and repeats the insertion of the second copy guard codes until the entire length of the content data is covered, and

wherein the first and second code pointers are determined randomly every time these first and second code pointers are generated.

Claim 53 (Original): The content server according to claim 52, further comprising a first encryptor which encrypts the first code pointer.

Claim 54 (Original): The content server according to claim 52, further comprising a second encryptor which encrypts the first code pointer and holds a code pointer decrypting key which is a decrypting key of the first code pointer in the content server.

Claim 55 (Original): The content server according to claim 51,

wherein the print job data generator comprises:

a third copy guard code generator which generates a third copy guard code including at least the printer specifying information; and

a third encryptor which generates encrypted content data by encrypting the content data, and

generates the print job data with at least the third copy guard code and the encrypted content data.

Claim 56 (Original): The content server according to claim 55, further comprising a holder which holds a content data decrypting key which is a decrypting key of the encrypted content data.

Claim 57 (Original): The content server according to claim 51,
wherein a request for print permission is transmitted from the printer to the content server only when the printer identifier included in the printer specifying information of the print job data coincides with a printer identifier of the printer's own, and
wherein print permission is transmitted to the printer when the request for print permission is received.